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MEMORANDUM FOR:

NA 8 - 3997

25X1

(DATE)

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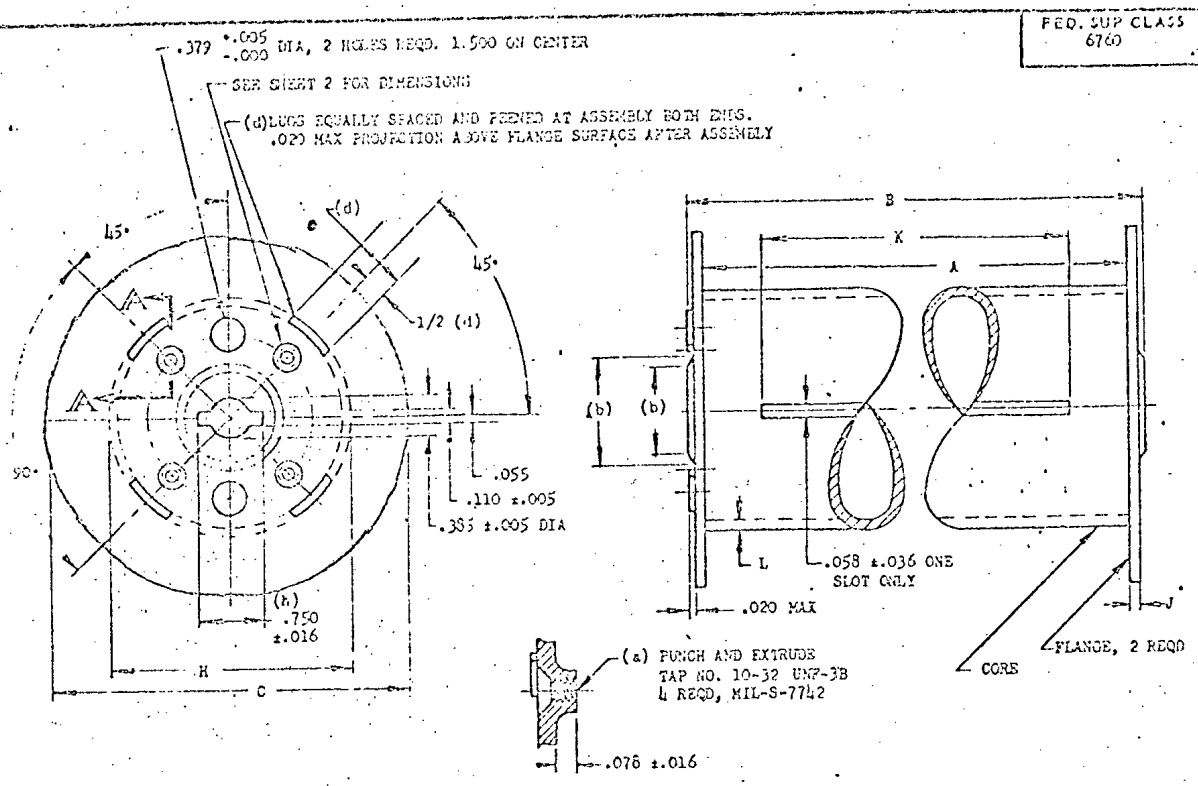
FED. SUP CLASS 6760



DASH NO.	FILM WIDTH	NOMINAL CAPACITY IN FEET (ε)	A WIDTH AT CORE	B OVER-ALL WIDTH AT KEYWAY ±.020	C FLANGE DIA ±.016	H CORE DIA ±.016	J FLANGE THICKNESS	K FILM SLOT LENGTH	L CORE THICKNESS ±.005	PREVIOUS DRAWING NO.
-1	70 MM	15	2.763 ±.006	2.925	1.719	.969	.040	2.763 ±.006	.045	243A3-1
-2		50			2.625					243A3-3
-3		100			3.750					243A3-4
-4		250			5.938	2.125	.050	2.000 ±.125	.030	243A3-5
-5		500			7.625				.030	243A3-6
-6		1000			10.500		.081		.065	243A3-7
-7	5.000 INCH	50	5.000 ±.010	5.162	2.750	1.250	.050	4.000 ±.125	.030	51C178A8-1
-8		100			3.750					51C178A8-2
-9		250			5.938	2.125				51C178A8-3
-10		500			7.625		.081		.065	51C178A8-4
-11		750			9.125					51C178A8-5
-12		1000			10.500					51C178A8-6
-13	7.000	125	7.031 ±.010	7.256	4.625	2.500	.040	5.000 ±.125	.030	AN7012
-14	9.500	50	9.500 ±.010	9.662	3.438	2.125	.050	6.000 ±.125		51C178A8-7
-15		75			4.000					AN7013-1
-16		100			4.125					51C178A8-8
-17		200			5.188					51C178A8-9
-18		250			5.938					51C178A8-10
-19		400			6.625					51C178A8-11
-20		500			7.625		.031		.065	51C178A8-12
-21		750			9.125					51C178A8-13
-22		1000			10.500					51C178A8-14

NOTICE—When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise or in any manner licensing the holder or any other person or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

APPROVED 12 Sep 62 REVISED

P.A. USAF-AFSC Other Cust Army-SigC Navy-Wep	INTERNATIONAL INTEREST	TITLE: SPOOL - PHOTOGRAPHIC FILM, AERIAL	MILITARY STANDARD MS26565
PROCUREMENT SPECIFICATION NOTE		SUPERSEDES: USAF DWGS 51B16076, 51B17848, 51C16075 MS24343, AN7014, AN7015, AN7012, AN7013	SHEET 1 OF 4

DD FORM 1426 SEP 62 672-1 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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24 May 1965

COMMERCIAL STANDARDS FOR 6.6" and 8" FILM SPOOLS

Data is correct as of 14 May 1965

The letters ("A" through "L") are used for the same dimensions for the 6.6" and 8" spools as are used on Military Standard MS-26565

	Nom	Nom	Width at Core	Over-all Width	Flange Dia.	Flange Thick-ness	Core Thick-ness	End of Slot to Flange	Width between Flanges at Outside dia.		Embossed area on Flange	
Dash No.	Film Widths	Cap in Ft	A ±0.010	B ±0.020	C ±0.016	J	L	+-0.016	Min	Max	O.D.	I.D.
-2	6.600"	1000	6.640"	6.802"	10½"	.081"	.065"	.320"	6.610"	6.670"	None	None
-3	8.000"	1000	8.000"	8.162"	10½"	.081"	.065"	1.000"	7.970"	8.030"	None	None
-4	6.600"	225	6.640"	6.802"	5 3/16"	.050"	.030"	.320"	6.620"	6.660"	1"	7/8"
-5	8.000"	225	8.000"	8.162"	5 3/16"	.050"	.030"	1.000"	7.980"	8.020"	1"	7/8"
-6	6.600"	500	6.640"	6.802"	7 5/8"	.081"	.065"	.320"	6.610"	6.670"	None	None
-7	6.600"	250	6.640"	6.802"	5 15/16"	.050"	.030"	.320"	6.620"	6.660"	1"	7/8"
-8	8.000"	500	8.000"	8.162"	7 5/8"	.081"	.065"	1.000"	7.970"	8.030"	None	None

Core diameter is 2 1/8" ± 0.016" for all spools.

Film slot length, "K" is 6" ± 1/8" for all spools.

Film Widths:	Nominal widths	Width Aims	Tolerances	
	6.6"	6.600"	+0.010"	-0.005"
	8.0"	7.960"	+0.010"	-0.005"

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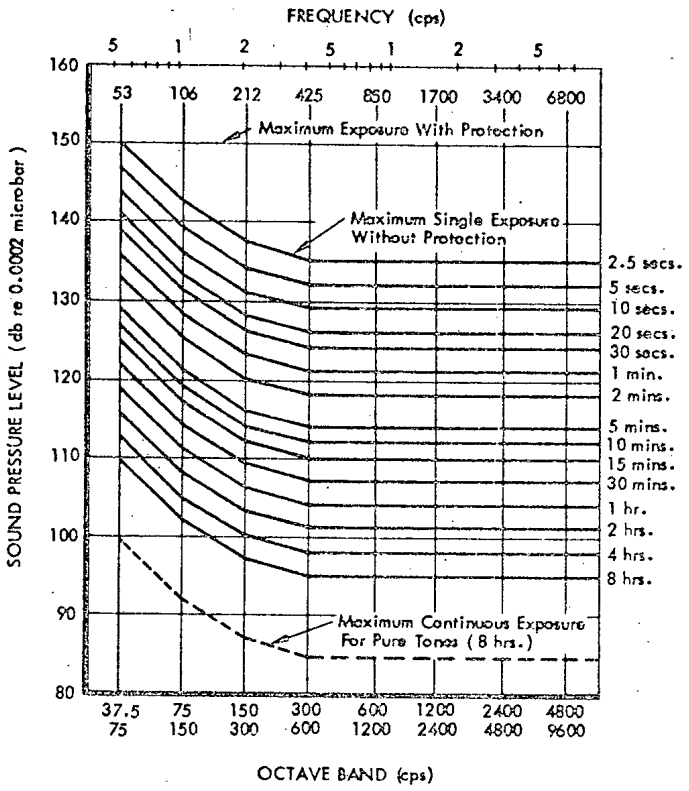
3.5 ACOUSTICS

The following material on noise is from MIL-STD-803A-2 (USAF).

3.5.1 Noise Exposure Limits

Necessary exposures to intense sound shall be as brief as possible. In no case shall personnel be exposed to noise levels that exceed 150 decibels. Facilities and equipment should be designed to preclude the exposure of unprotected personnel to wide-band noise in excess of the octave-band pressure levels and time limits shown in Figure 3.5-1. Narrow-band noise and discrete frequencies should be at least 10 decibels below the wide-band limits. (For discrete frequencies, the logarithmic scale at the top of the figure should be used).



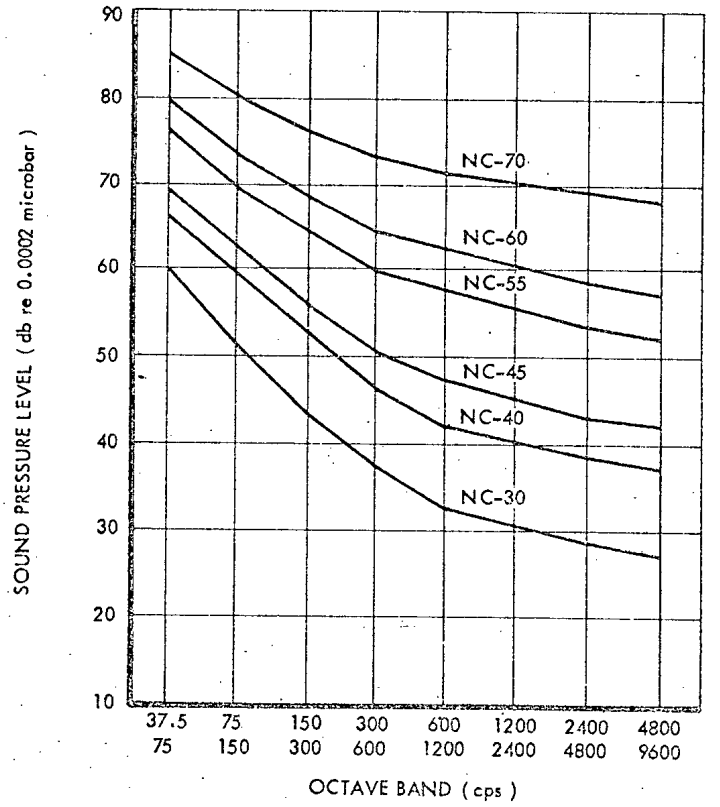
(from MIL - STD - 803A-2 USAF)

FIGURE 3.5-1 EXPOSURE LIMITS FOR WIDE-BAND NOISE AND PURE TONES

Where noise levels exceed the above limits, personnel must be provided with protective devices such as ear plugs, cushions or earmuffs. Preferably such devices should be provided when noise levels are within 10 decibels of the above limits.

3.5.2 Communication and Comfort Limits

Facility and equipment noise must be controlled to levels that do not interfere with required voice communications and that produce minimum annoyance and fatigue effects. In areas where maintenance requires the continuous presence of personnel and occasional voice communication is necessary, the noise level generated by equipment shall not exceed the sound pressure levels shown for various octave bands on Noise Criterion (NC) Curve 70 in Figure 3.5-2. Where intermittent direct communication and occasional telephone conversation are necessary, the level should not exceed NC-60. In offices, shops and other areas where equipment is used regularly by operating personnel and continuous direct communication is required, the noise level should not exceed NC-55. Where frequent telephone communication is necessary in such areas, the level should not exceed NC-45. The noise level in private offices, drafting rooms, conference rooms and similar areas should not exceed NC-40. In areas where telephone use is highly critical or where extreme quiet is required, the level should not exceed NC-30. See Section 4.2.10.3 for specific speech interference levels.



(from MIL - STD - 803A-2 USAF)

FIGURE 3.5-2 NOISE CRITERION (NC) CURVES

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TAB D
17 JUNE 1966

IMAGE RESTORATION
(THREE-YEAR PROGRAM)

PHASE	MAJOR TASKS	1967	1968	1969
I	1. STUDY OF HOLOGRAM FILTERING 2. DESIGN & BUILD OPTICAL SYSTEM TO PRODUCE FILTERS			
II	1. CONSTRUCT COMPLEX SPATIAL FILTERS 2. EVALUATE FILTERS ON ATOMOSPHERIC DISTORTIONS 3. EVALUATE FILTERS ON IMAGE MOTION DISTORTIONS 4. EVALUATE FILTERS ON FOCUSING DISTORTIONS			
III	1. DESIGN PROTOTYPE SPATIAL FILTERING EQUIPMENT 2. FABRICATE PROTOTYPE 3. TEST AND EVALUATION PROTOTYPE			
	COST (IN $ THOUSANDS)	99.3	100	100

▼ MAJOR MILESTONES

GROUP 1
Excluded from automatic downgrading and declassification

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